

FIG. 1 is a schematic diagram of a building layout.

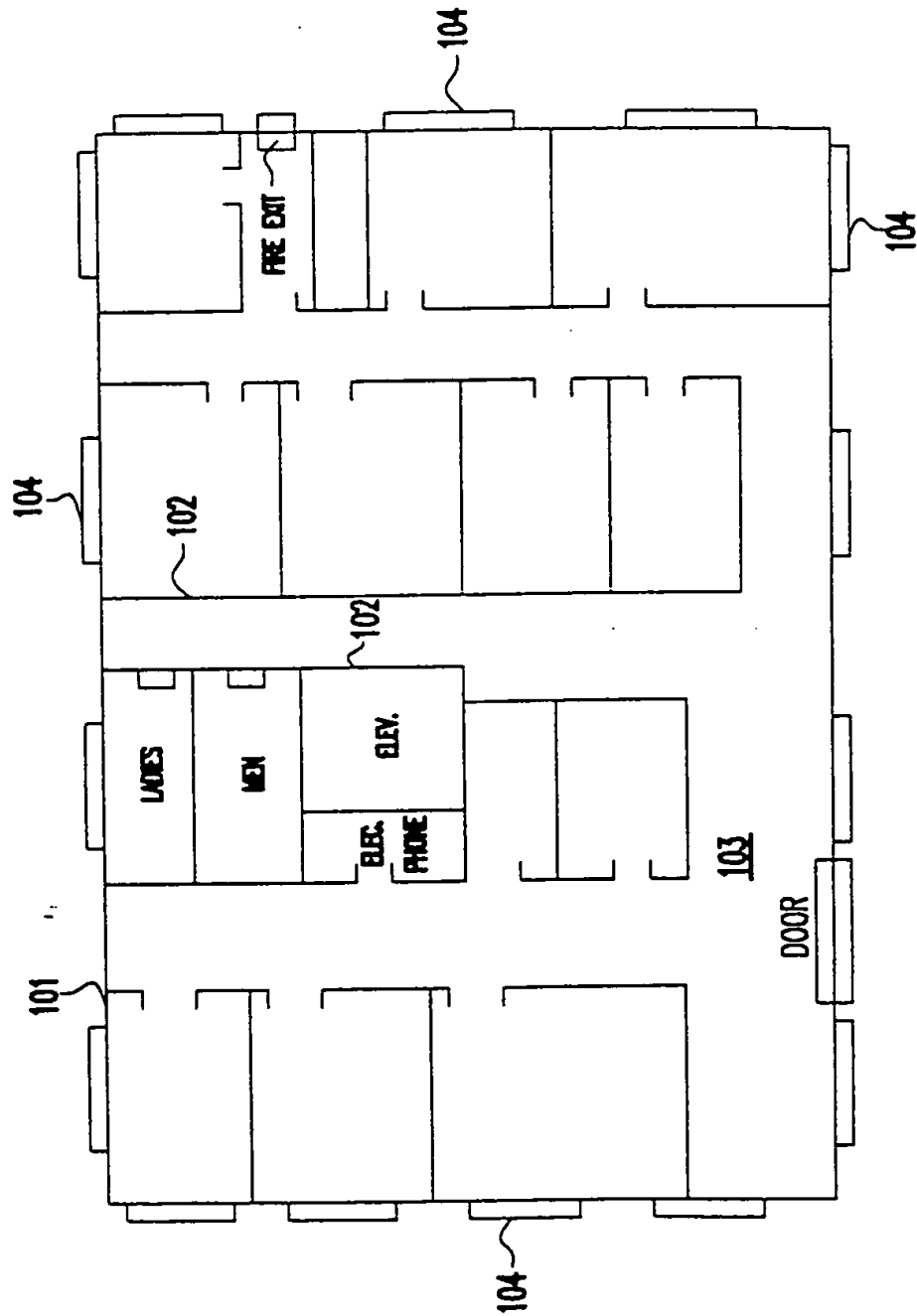
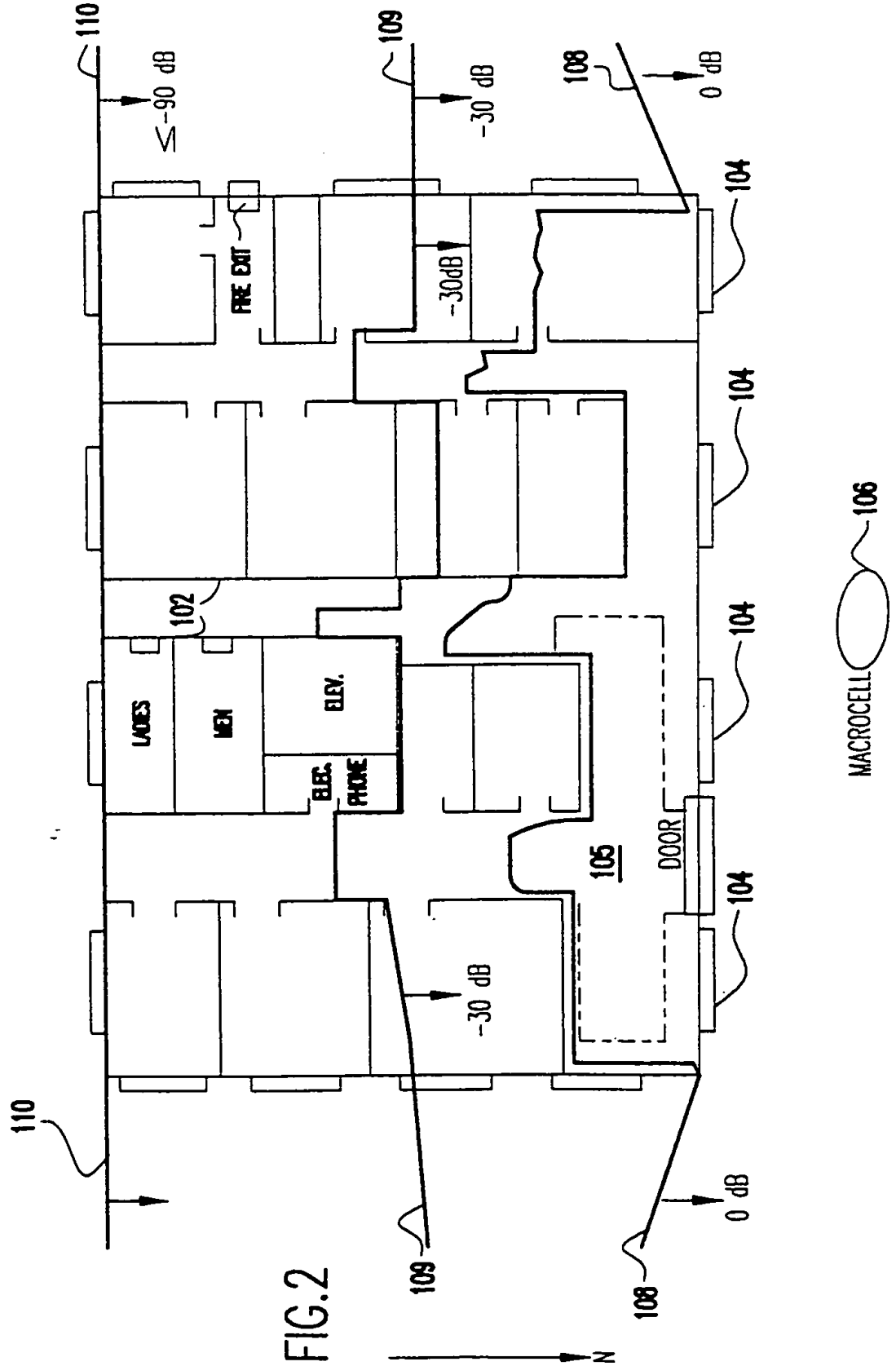


FIG. 1



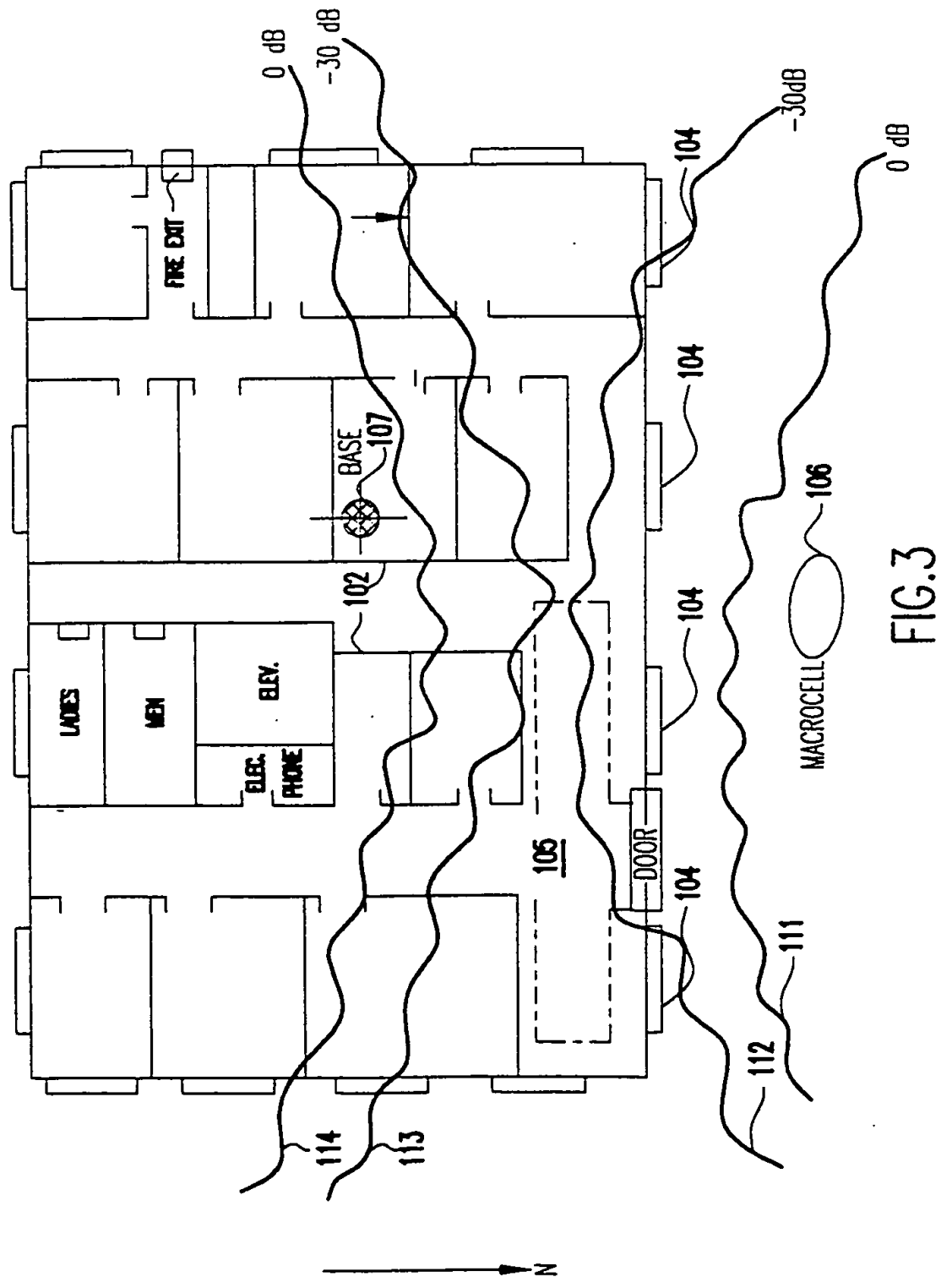


FIG. 4 is a schematic diagram of a building layout showing a macrocell and a femtocell.

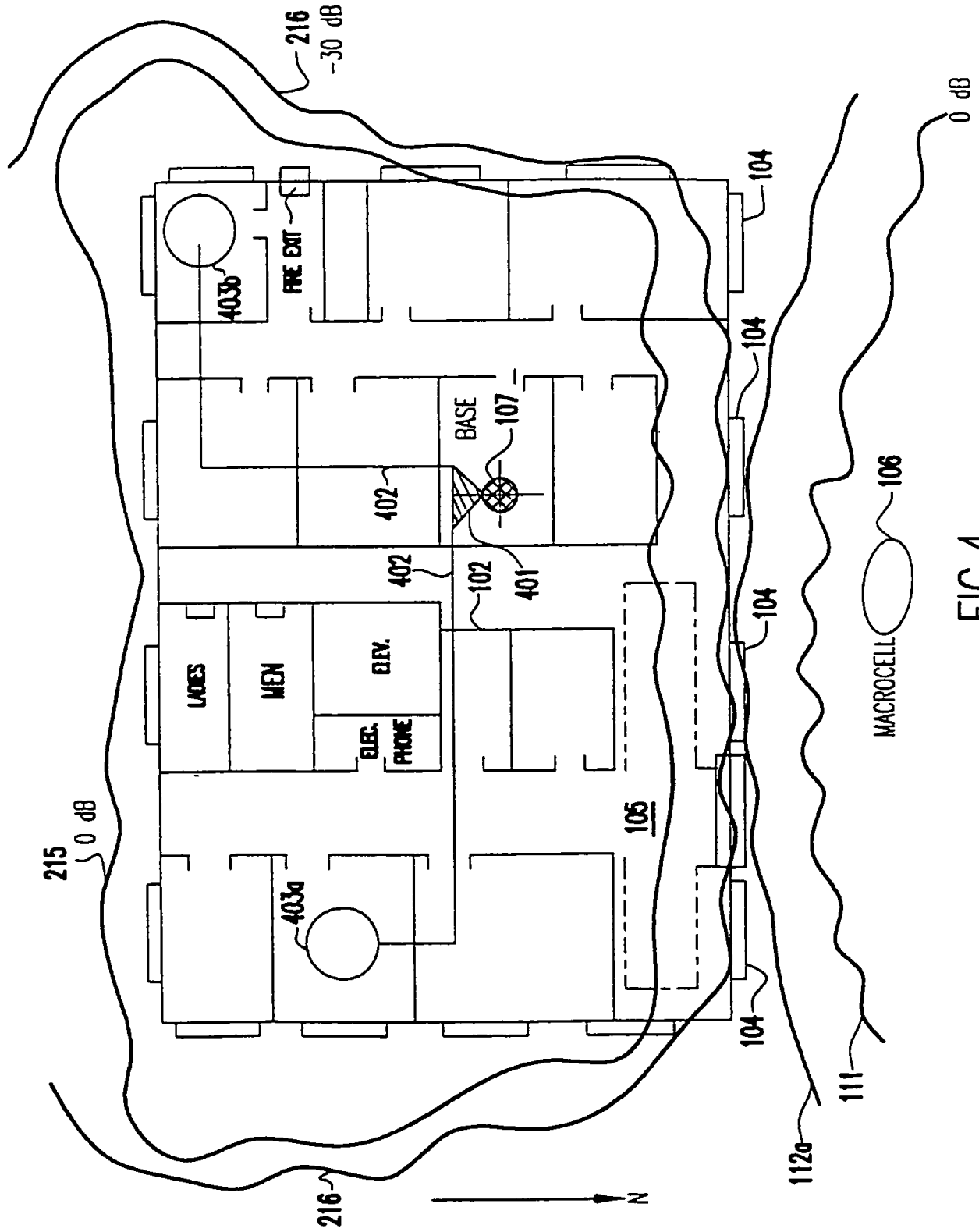


FIG. 4

5/19

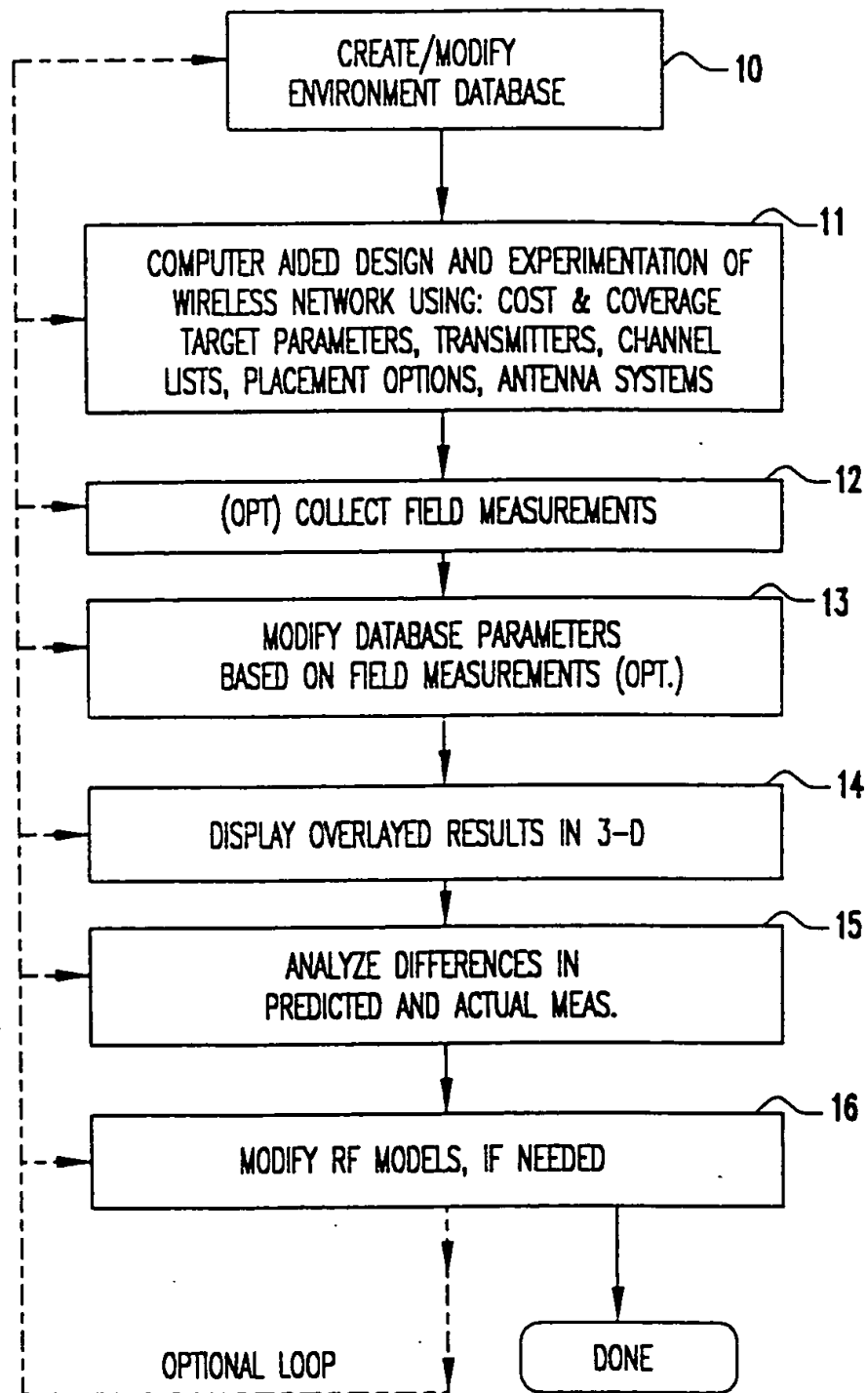


FIG.5

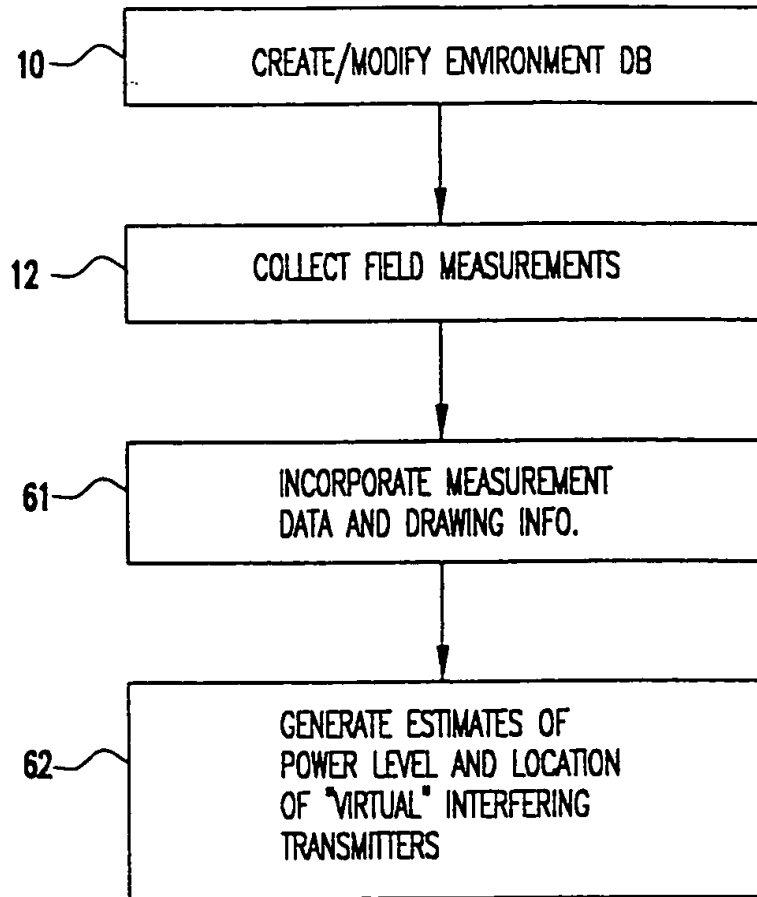


FIG.6

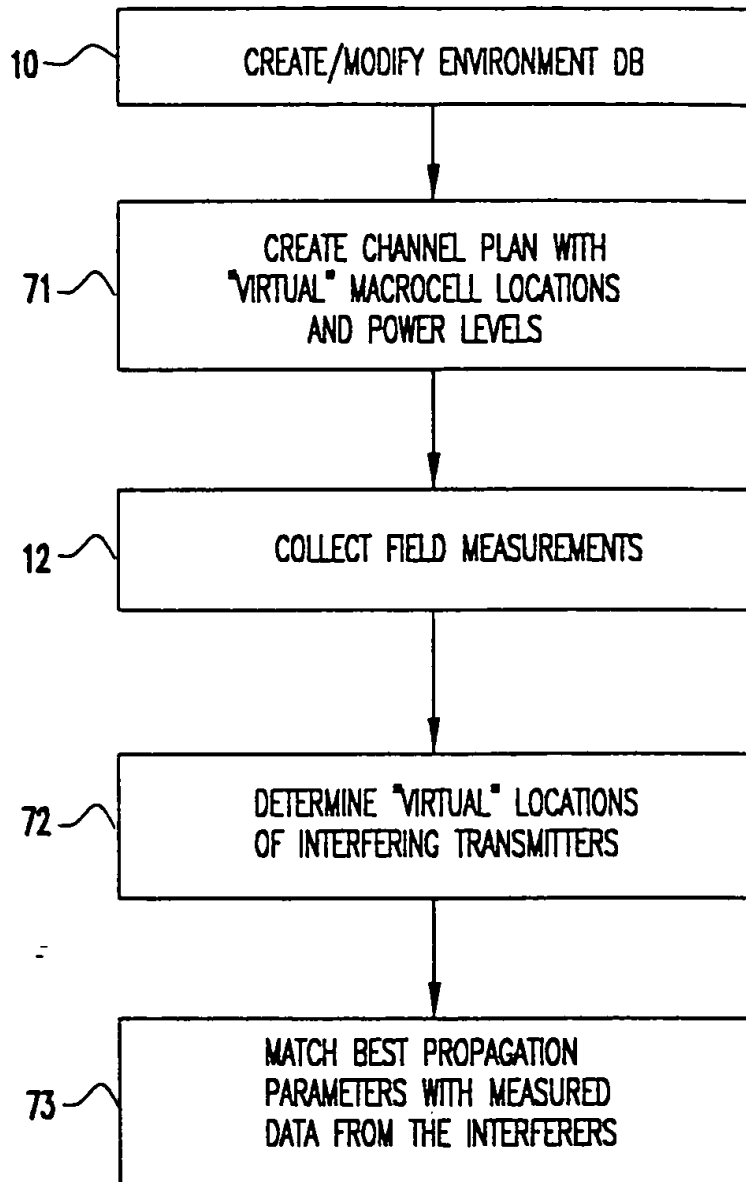


FIG.7

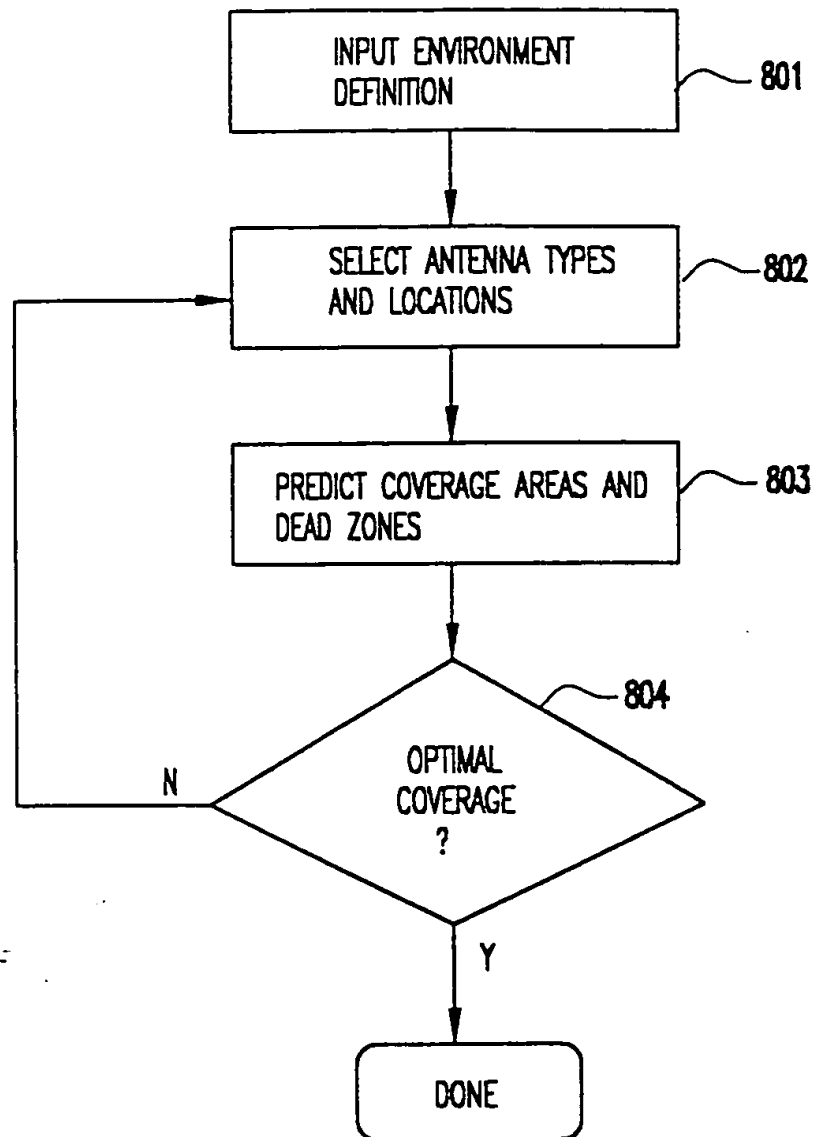


FIG.8

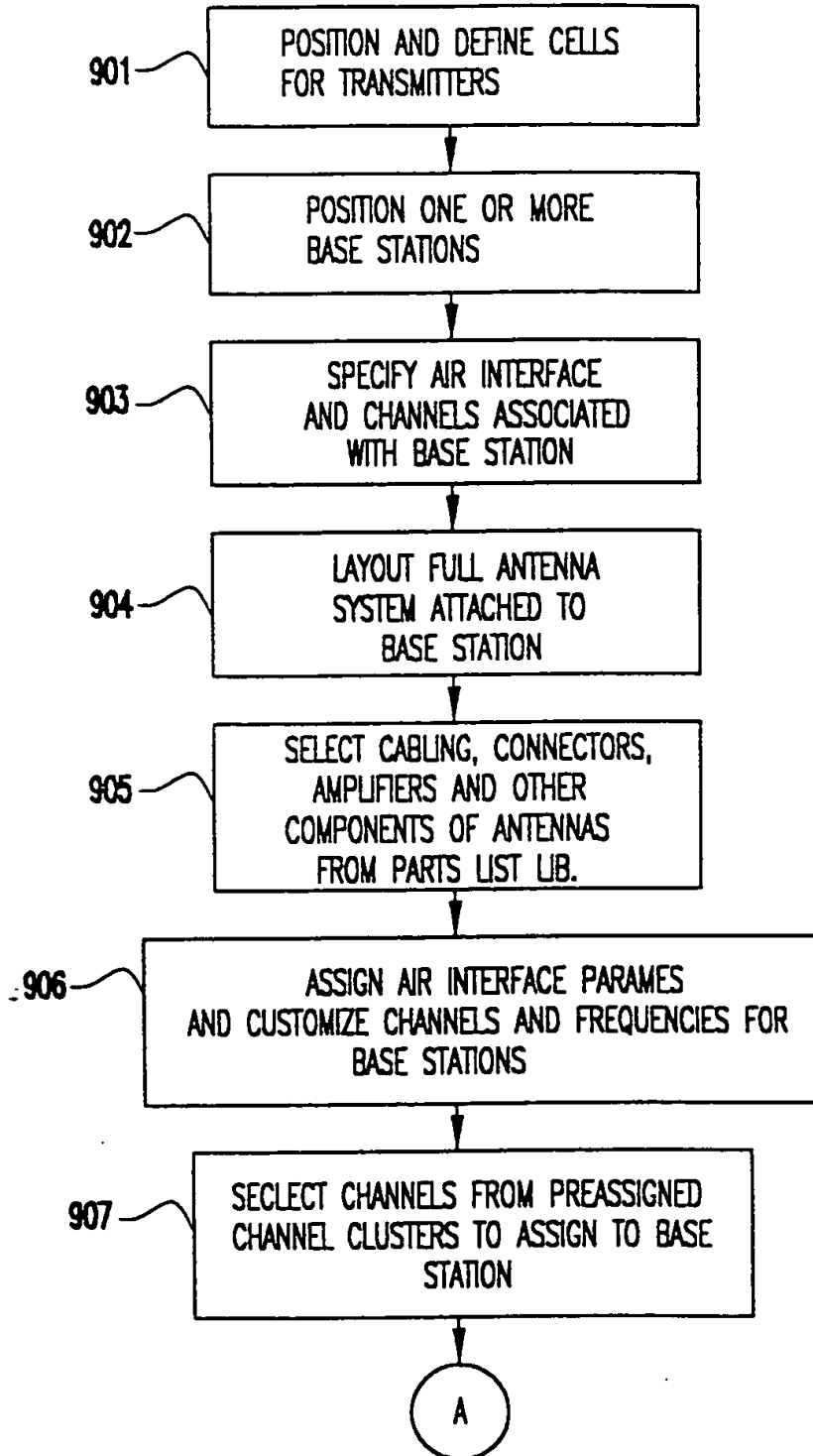


FIG.9A

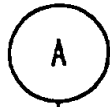


FIG.9B

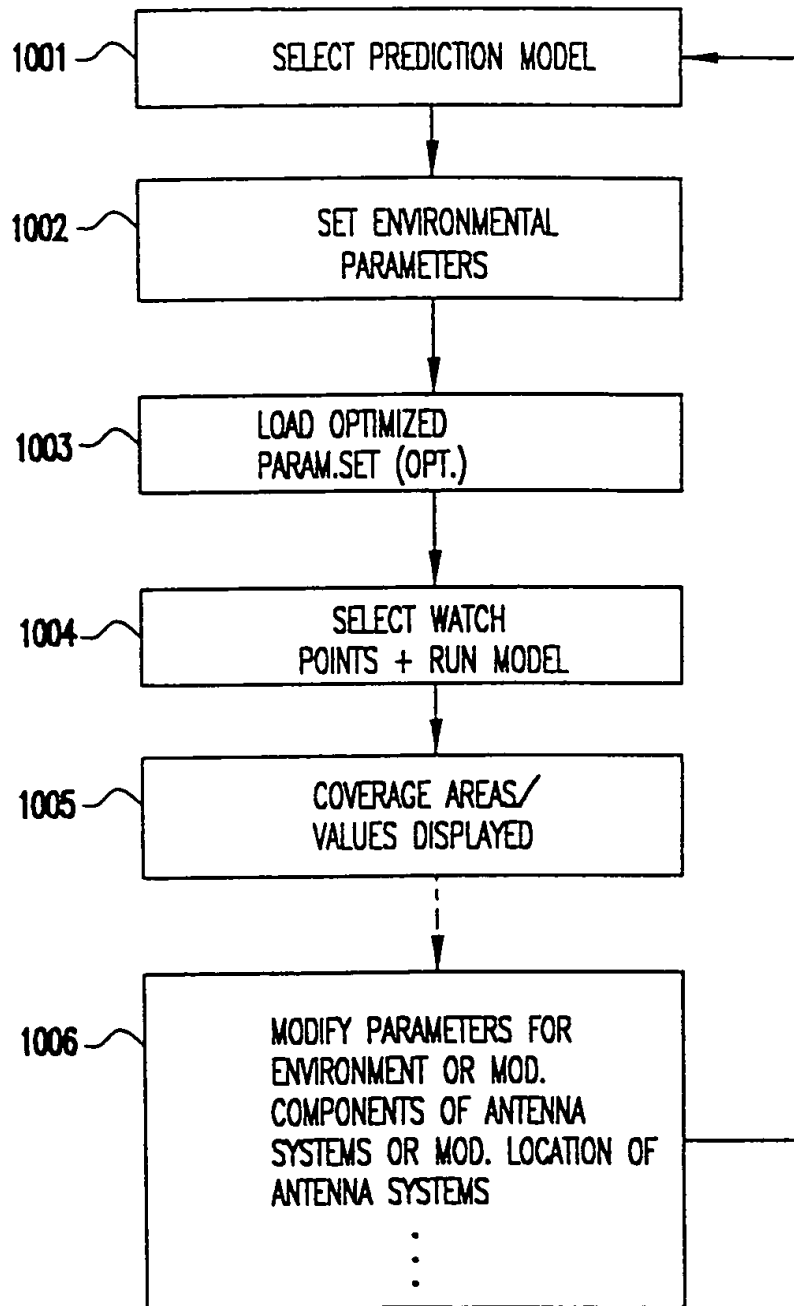


FIG.10



FIG.12

000000-ESBEE960

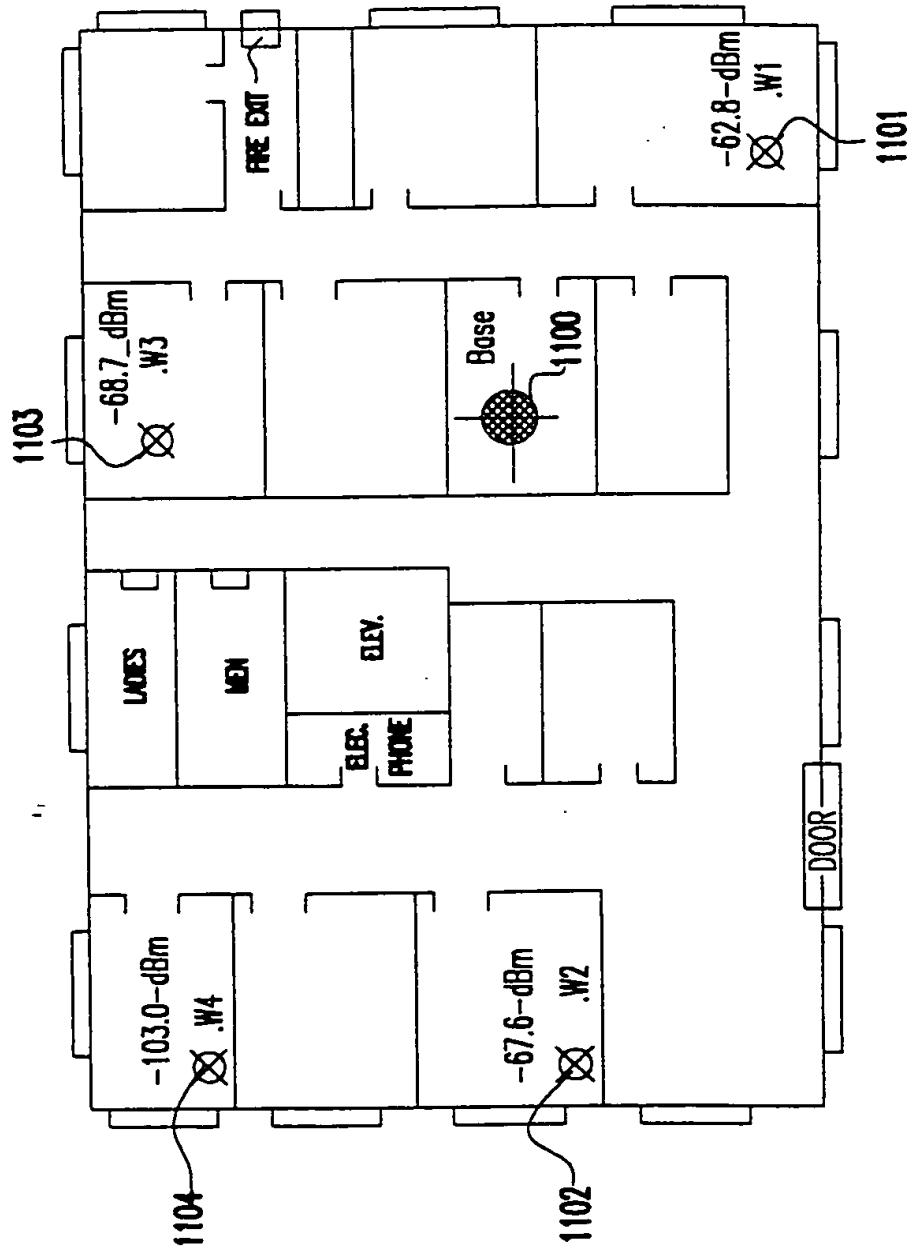


FIG.13

000000 = 0000000000

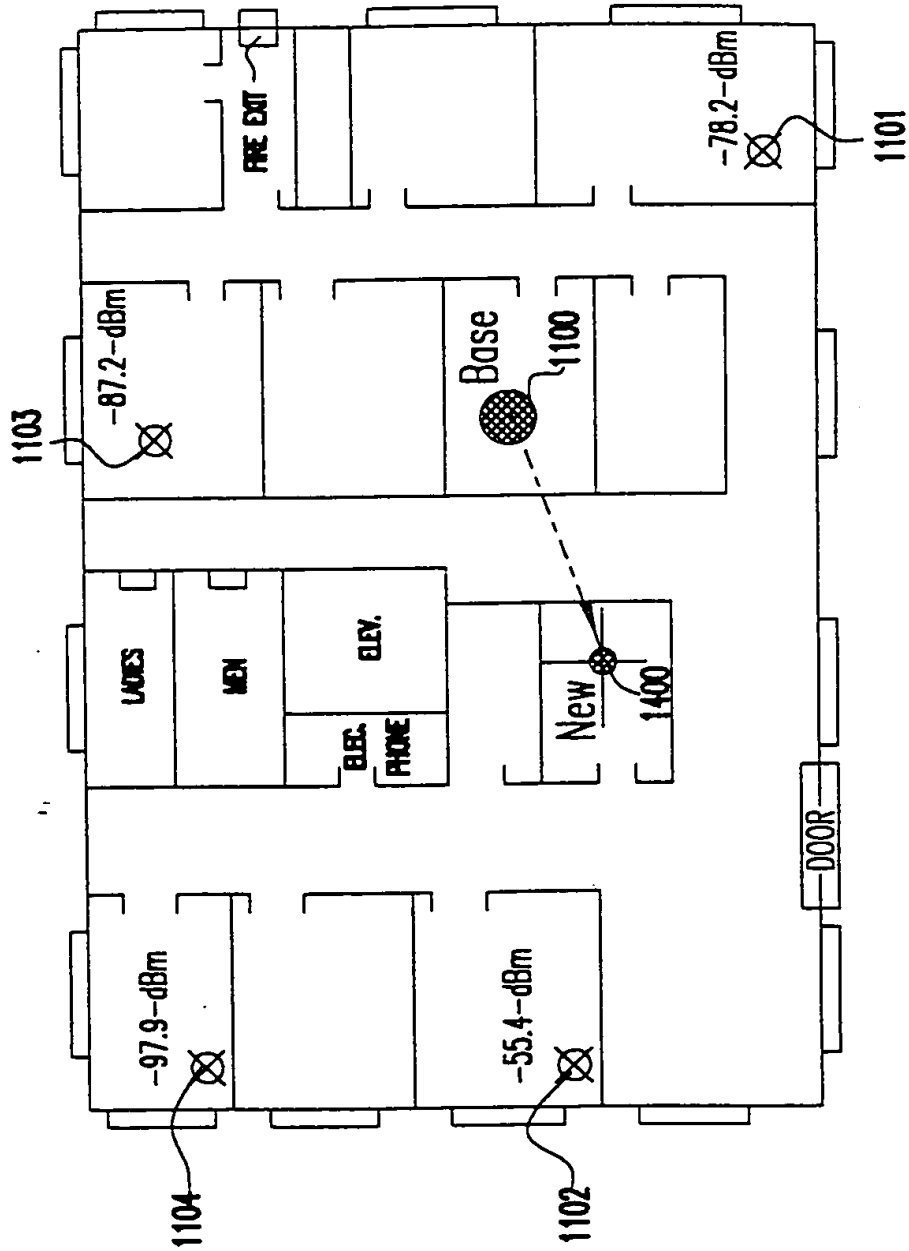


FIG.14

Bill of Materials for Current Drawing

SUBTOTAL (excluding base station CDMA1): \$0.00

BASE STATION: MACROCELL

DESCRIPTION: CDMA MACROCELL

FLOOR1

POSITION: 84.3, 44.0, 1.8

CHANNEL SET: MACROCELL: IS-95A CDMA Default

SUBCHANNEL SET: Default Channel Set

TXPOWER: 10.00 dBm

RF Bandwidth: 1.25 MHz

RECEIVER NOISE FIGURE: 0.00 dB

CHANNELS ASSIGNED TO BASE STATION

1

--NAME: AllenTel PCN PANEL 1710-1990 92 Deg 9.00 dB Gain

TYPE: ANTENNA_POINT

MANUFACTURER: Allen Telecom

PART NUMBER: DB972 1850

FREQUENCY: 1710-1990 MHz

PATTERN FILE: 972_185.ant

FLOOR1

POSITION: 84.3, 44.0, 1.8

COST: \$0.00 ~ 1612

SUBTOTAL (excluding base station MACROCELL): \$0.00 ~ 1613

TOTAL COST(excluding base stations): \$0.00 ~ 1614

Save to ASCII File

ok

004030 = 25322560

1611

Bill of Materials for Current Drawing

TYPE: ANTENNA_POINT
 MANUFACTURER: Allen Telecom
 PART NUMBER: DB972 1850
 FREQUENCY: 1710-1990 MHz
 PATTERN FILE: 972_185.ant
 FLOOR1
 POSITION 84.3, 44.0, 1.8
 COST: \$250.00 ~ 1612a

1720

--NAME: 7/8", 50-ohm Foam Dielectric Coaxial Cable*
 TYPE: CABLE
 MANUFACTURER: Andrew
 PART NUMBER: LDF5*
 FREQUENCY: 2000MHz
 LENGTH: 120.41 m (395.06ft)
 LOSS PER 100 m: 6.46 dB
 TOTAL LOSS: 7.78 dB
 POSITION:
 Vertex0: 10.6, 0.8, 1.8
 Vertex1: 1.7, 2.8, 1.8
 Vertex2: 1.7, 31.0, 1.8
 Vertex3: 35.3, 31.0, 1.8
 Vertex4: 35.3, 23.5, 1.8
 Vertex5: 65.4, 23.6, 1.8
 Vertex6: 72.6, 32.0, 1.8
 COST: \$85.00 ~ 1721

SUBTOTAL(excluding base station MACROCELL): \$470.00 ~ 1613a

TOTAL COST(excluding base stations): \$470.00 ~ 1614a

Save to ASCII File

ok

FIG.17

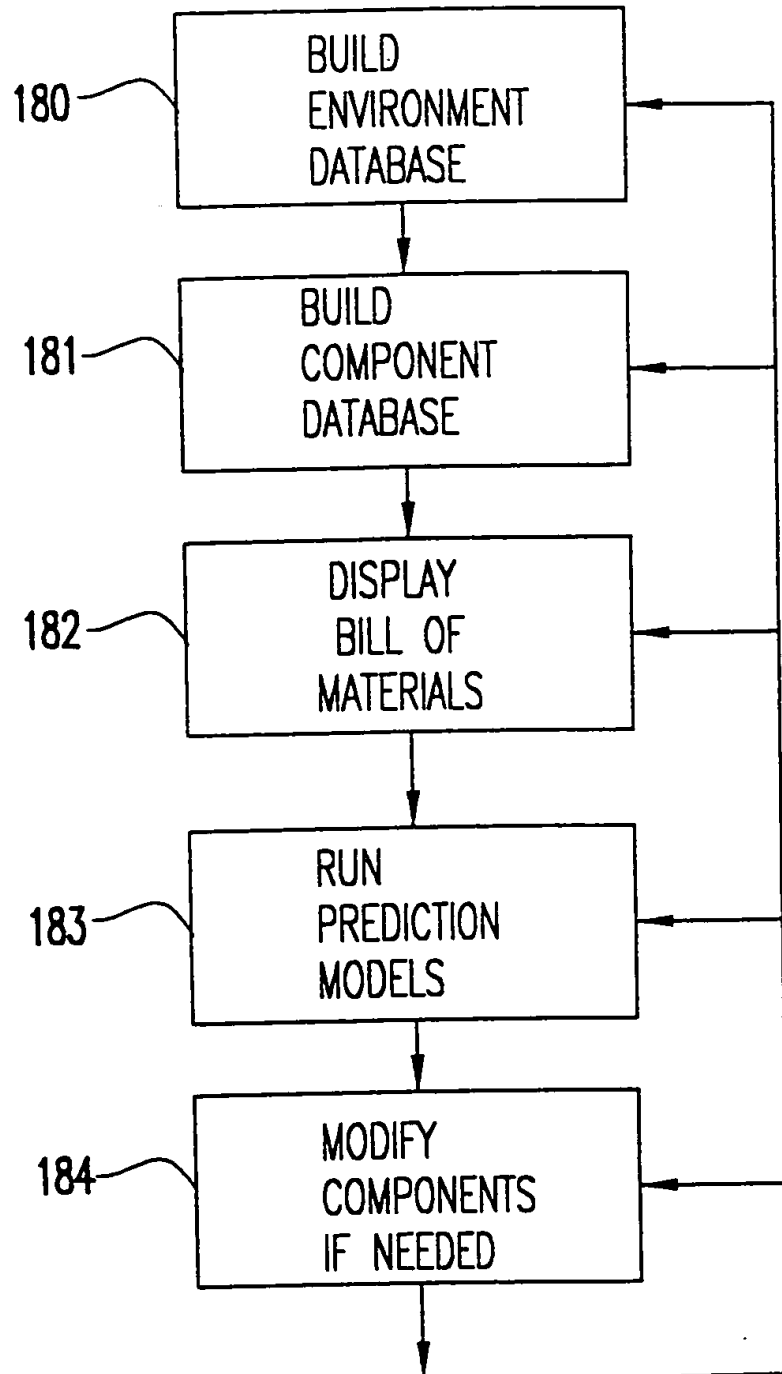


FIG.18

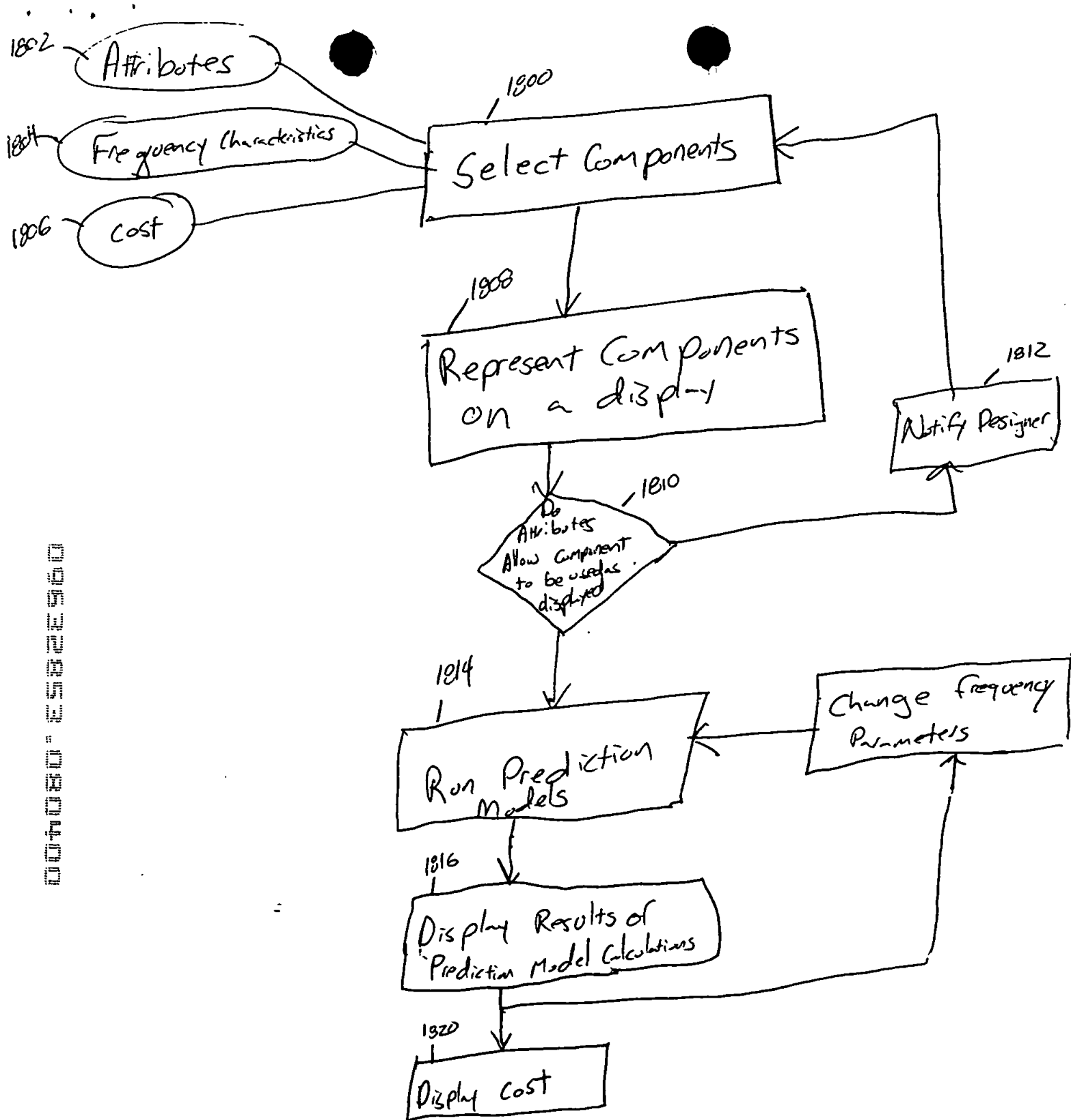


Figure 19

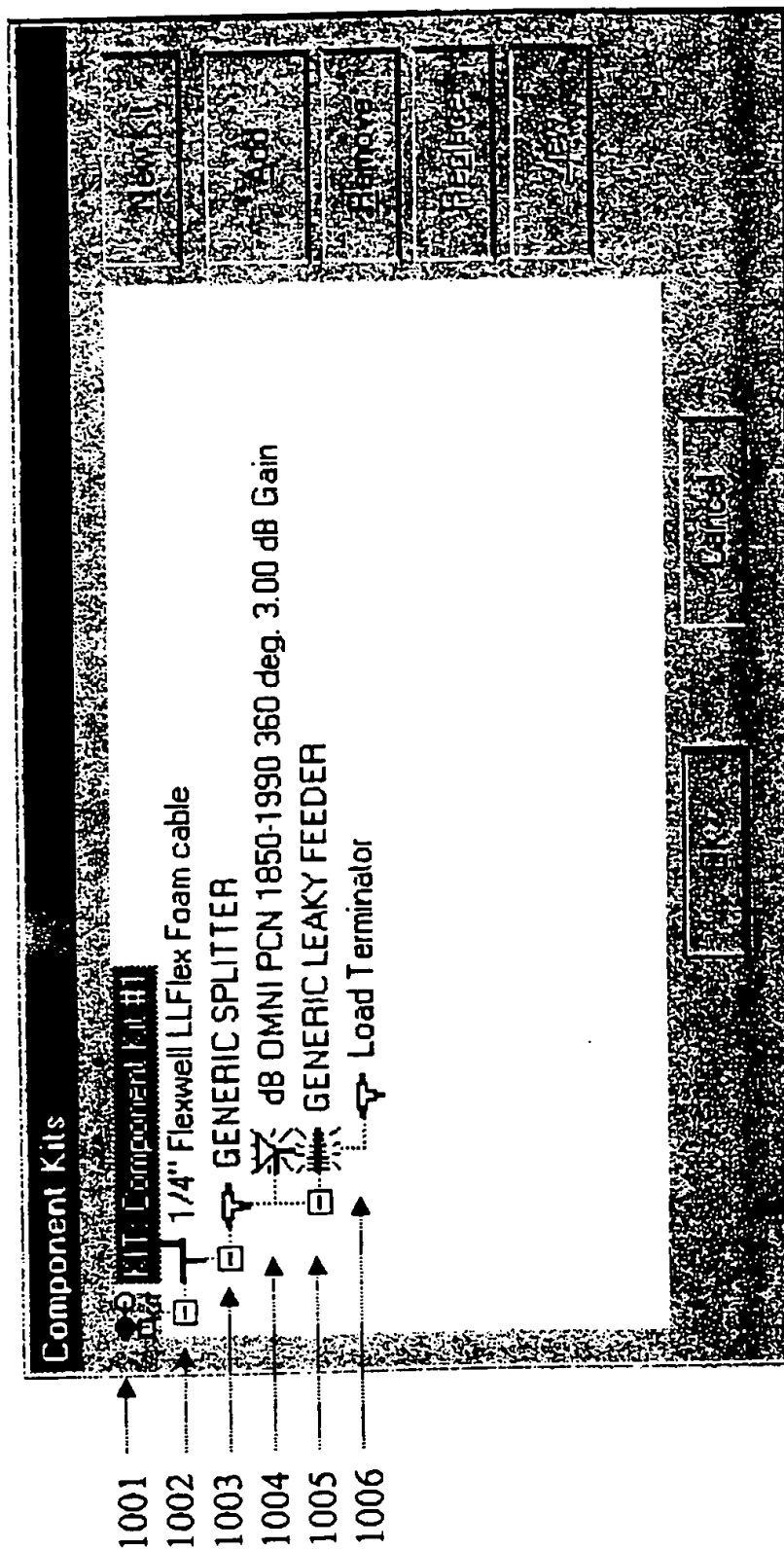


Figure 18

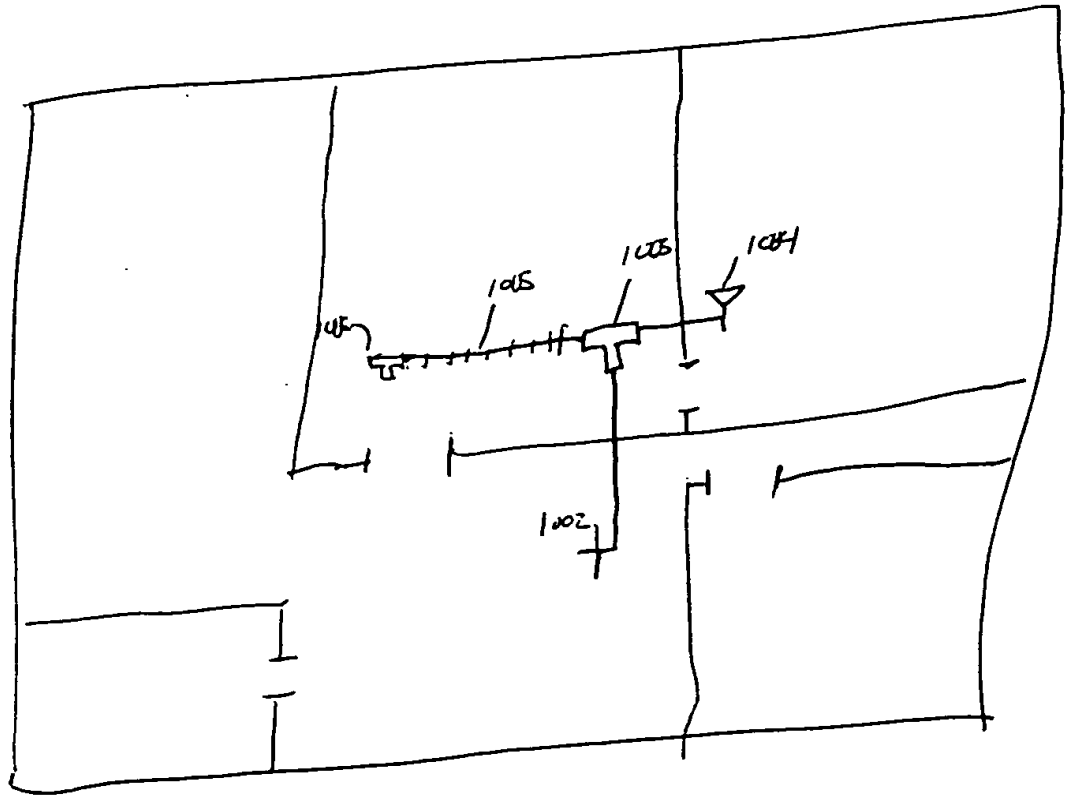
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Figure 21